

CORRES. CONTROL

LTR. NO.

K-H Corres. #



**Rocky Mountain
Remediation Services, L.L.C.**
... protecting the environment

Flats Environmental Technology Site

Box 464

Colorado 80402-0464

(303) 966-7000

RMRS/ER Records

#000067644

Originator Ltr Log #

MRW-010-97

97 - RF -

DIST.	LTR	ENC
BARTHEL, J.M.		
BENGEL, P.R.		
BENSON, C.A.		
CARMEAN, C.H.		
DAWSON, D.		
EDWARDS, J.D.		
FINDLEY, M.E.		
FITZ, R.C.		
GUINN, L.A.		
HUGHES, F.P.		
MCANALLY, J.L.		
POWER, A.P.		
REED, A.B.		
TYSON, A.M.		
WAGNER, M.J.		
WHEELER, M.		

BEROSSARD, M. ✓
PRIMROSE, A. ✓

October 10, 1997

Steve Nesta
Kaiser-Hill Environmental Compliance
Rocky Flats Environmental Technology Site
P.O. Box 464, T130C
Golden, CO 80402-0464

REQUEST OF SUPPORT FOR NEPA CHECKLIST AND MIGRATORY BIRD TREATY ACT
SURVEY FOR THE SITE CHARACTERIZATION AT THE 903 DRUM STORAGE (IHSS 112), 903
LIP AREA (IHSS 155), AND AMERICIUM ZONE - MRW-010-97

This letter requests your support for the Site Characterization at the 903 drum storage area (IHSS 112), 903 Lip Area (IHSS 155), and Americium Zone. Specifically, RMRS needs a Migratory Bird Treaty Act (MBTA) survey performed prior to field work and review of our NEPA checklist (see attachment). I have attached a summary of the FY'98 scope in addition to the existing Categorical Exclusion for Operable Unit 2 which we believe covers the scope of work for this characterization project. Field activities are scheduled to begin on or around January 7, 1998.

As we discussed, please complete the attached purchase requisitions for support and return to me by October 16, 1997. Please sign and return the NEPA checklist by October 30, 1997. With your permission, I will contact PTI Environmental Services personnel directly to coordinate the MBTA survey prior to field activities on or around January 7, 1998. If you have any questions or need to contact me, please call me at extension 6689 or Annette Primrose at extension 4385.

Thank you for your continued support of the RMRS Environmental Restoration Projects.

Sincerely,

Mark Wood
Subsurface Soil Investigation Lead

Attachments:
As Stated

RMRS RECORDS	X	X
RF CORRES. CONTROL	X	X
TRAFFIC		
PATS/T130G		

CLASSIFICATION:

UCNI	
UNCLASSIFIED	
CONFIDENTIAL	
SECRET	

AUTHORIZED CLASSIFIER

SIGNATURE:

Date: 10-10-97

IN REPLY TO RF CC NO.:

ACTION ITEM STATUS:

☐ PARTIAL/OPEN☐ CLOSED

LTR APPROVALS:

MCB:

ORIG. & TYPIST INITIALS:

MRW/aw

RF-46469 (Rev. 1/97)

2025 RELEASE UNDER E.O. 14176

Kaiser-Hill National Environmental Policy Act (NEPA) Group
ENVIRONMENTAL CHECKLIST
ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE

1. Project Name: *Site Characterization at the 903 Drum Storage Area (IHSS112)
903 L.P. Area (IHSS155) and Americium Zone*
2. Date Submitted: *Oct. 10, 1997*
3. NEPA Tracking No.:
4. Charge Number: *GE 0000PL*
5. WAD Number: *65-903/905, H20612 cluster project*
6. Project Manager (company, bldg., ext.): *Annette Primrose, RMRS, T893B, X4385*
7. Kaiser-Hill Manager (bldg., ext.): *Tom Greengard*
8. Preparer (company, bldg., ext.): *Mark Wood, RMRS, T893B, X6689*
9. Project Description (be as detailed and specific as possible, use the checklist as a guide for issues to be addressed in the description of the project, submit to K-H NEPA for review):

Reviewed for Classification/UCNI

By: _____

Date: _____

Site Characterization at the 903 Drum Storage Area (IHSS 112), 903 Lip Area (IHSS 155), and Americium Zone Project Summary

The purpose of this site characterization project is to identify and delineate the spatial and vertical extent of soils exceeding the Rocky Flats Environmental Technology Site (RFETS) Cleanup Agreement (RFCA) Action Level Framework (ALF) Soil Tier I Action Levels at the Individual Hazardous Substance Site (IHSS) 112 - 903 Drum Storage Site (903 Pad), IHSS 155 - 903 Lip Area (Lip Area) and Americium Zone surface soils (Figure 2-1). Implementation of this project will provide better definition of the extent of contamination at the site and further delineate the volume of soils requiring remediation. Field activities will consist of surface and subsurface soil sampling for volatile organics (VOCs) and radiologic isotopes and performed in accordance with appropriate ER and RFETS policies, procedures and DOE Orders. Subsurface soil sampling will be performed using a geoprobe drilling technology which minimizes waste and all field activities will be conducted in accordance with a site-specific health and safety plan. Air and particulate monitoring will be performed in accordance with FO.1, Air Monitoring and Particulate Control.

Surface Soils: Previous investigations in the Lip Area and Americium Zone have revealed radiological contamination in surface soils exceeding RFCA Tier I action levels triggering an action. The exposure area (EA) of previous investigations were 2.5- and 10-acre plots. The purpose of this characterization effort is to further refine the volume of soils exceeding RFCA Tier I action levels. An evaluation of a smaller EA is required to delineate soils not exceeding Tier I action levels therefore minimizing the area of soil requiring remediation. A minimum of 20 composite grab surface samples will be collected based on the results of the HPGe and Fidler surveys (Figure 2-1).

Asphalt: Remediation of subsurface soils at the 903 Pad may require the removal and disposal of the asphalt comprising the 903 Pad. Low-level waste disposal facilities require that waste be characterized adequately to ensure that sample results represent the waste with at a 90% confidence level. No data, with the exception of a 903 Pad surface gamma survey, currently exists for the asphalt. Preliminary analytical data will be required to design a statistically based sampling plan to meet the waste acceptance criteria of waste disposal facilities qualified to accept the waste. This project includes the collection of nine asphalt samples for isotopic analysis for preliminary waste characterization purposes.

Subsurface Soils: *Radionuclide Contamination* - Historical data from the 903 Pad indicate radionuclide activities above background in soils to 26 inches below the top of asphalt pad. A review of OU2 RFI/RI borehole data reveal no subsurface soil samples exceeded the Tier I action levels. However, radionuclides are suspected to have been transported with the solvents released at the site. Additional data are needed to determine the depth of radiological contamination for RFCA action level comparison. In addition, an evaluation of OU2 Phase II RFI/RI surface soil data indicated 5 Plots, each with an area from 2.5-acres which exceeded the RFCA Tier I action levels. However, the depth of contamination has not been adequately characterized in these plots. A total of twenty-five soil borings will be advanced to an approximate depth of three feet on the 903 Pad and twenty-one soil borings will be advanced to an approximate depth of two feet around the 903 Pad, the 903 Lip Area and the Americium zone for subsurface soil collection (Figure 3-3). These data are required to determine the volume of soils exceeding Tier I action levels to determine remedial alternatives.

VOC Contamination - An analysis of groundwater data from the 903 Pad area indicates that a DNAPL may be present in subsurface soils below the 903 Pad. Existing VOC data collected from boreholes were compared to Tier I action levels which indicated that no subsurface soil exceeded the Tier I action levels. However, groundwater data indicate the potential for DNAPL. Approximately twelve to twenty soil borings will be advanced to depths ranging from 16 to 28 feet for subsurface soil collection (Figure 3-4). Additional information is required to determine the location and depth of VOC and radiological contamination for remedial alternative selection.

Sampling and Analysis Plan for the Site
Characterization at the 903 Drum
Storage Area, 903 Lip Area
and Americium Zone

Study Area

Figure 2-1

Explanation

- HPGe 150 foot FOV Circles
(above TopCig Am-241)
- Plots above Tier I Action Levels
- Proposed GPS Survey Point
- 1976 Soil Removal Area (approx)
- 1978 Soil Removal Area (approx)
- 1970 Soil Fill Area

- Buildings or other structures
- Lakes and ponds
- Streams, ditches, or other
drainage features
- Fences and other barriers
- Paved roads
- Dirt roads

DATE: 04/04/02
BY: [illegible]
FOR: [illegible]

NOTES:
1. This map was prepared for the purpose of showing the location of the HPGe 150 foot FOV circles and the proposed GPS survey points. It is not intended to be used for any other purpose.
2. The HPGe 150 foot FOV circles are shown as solid black circles. The proposed GPS survey points are shown as solid black triangles.
3. The 1976 and 1978 soil removal areas are shown as hatched areas. The 1970 soil fill area is shown as a solid black area.

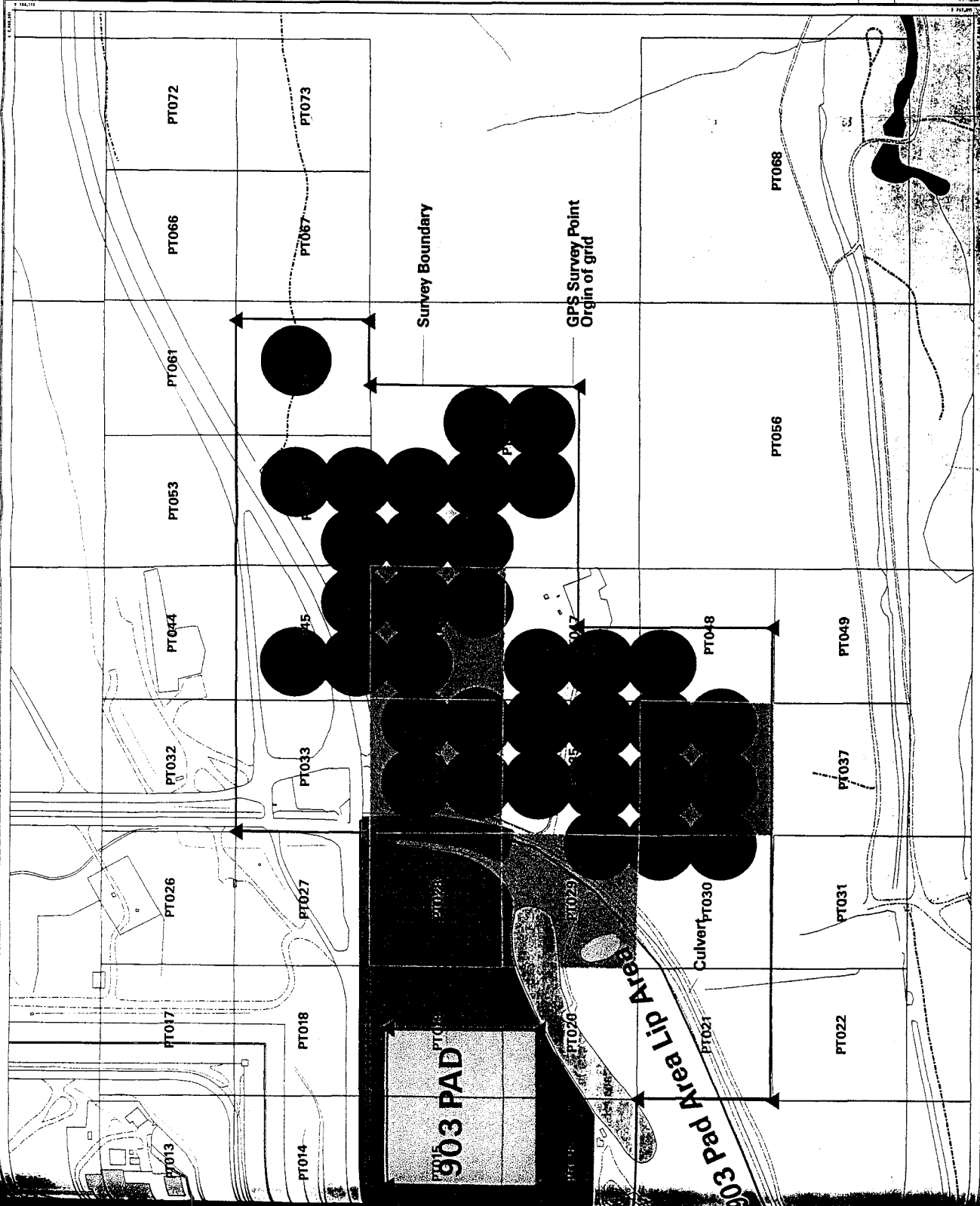


Scale = 1" = 200'
1 inch represents 200 feet

U.S. Department of Energy
Rocky Flats Environmental Technology Site
Radioactive Waste Management Division
Environmental Sciences Section
Date: 04/04/02

U.S. Department of Energy

Rocky Flats Environmental Technology Site



NOT TO SCALE

Sampling and Analysis Plan for the Site
Characterization at the 903 Drum
Storage Area, 903 Lip Area
and Americium Zone

Radiological Subsurface
Sampling Locations

Figure 3-3

EXPLANATION

5 ft elevation contour

1976 Soil Removal Area (approx)

1978 Soil Removal Area (approx)

1970 Soil Fill Area

903 Pad Lip Area Boreholes

903 Pad Boreholes

Standard Map Features

Buildings

Lakes and ponds

Streams, ditches, or other
drainage features

Fences

Paved roads

Dirt roads

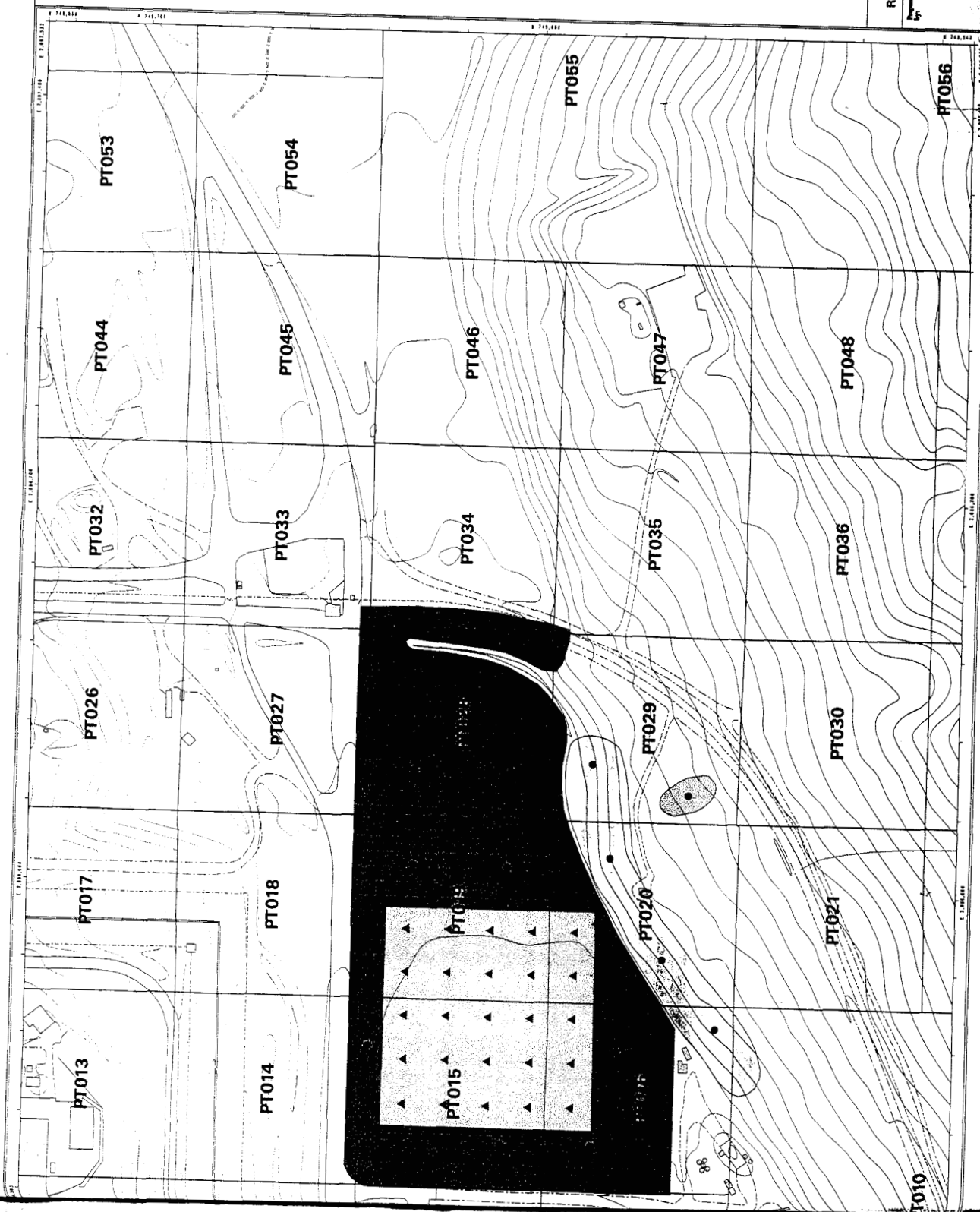


State Plane Coordinate Projection
Colorado Zone
Datum: NAD27

U.S. Department of Energy
Rocky Flats Environmental Technology Site



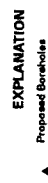
MAP E1-87-01-00




10108041






VOC Investigation Borehole Location Map

Figure 3-4



- | | |
|---|--|
| ● | Groundwater Monitoring Well
Location Code-right
Top of Backrock Elev-right |
| ● | Borehole
Location Code-left
Top of Backrock Elev-right |
| ∩ | Top of Backrock
Elevation Contours |
| ∩ | Soil Gas Concentrations
> 100 ppm |
| ∩ | Paleogeographic Trends |
|  | Individual Hazardous
Substance Site
(HSS-112) |

Standard Map Features

- | | |
|---|--|
|  | Lakes and ponds |
|  | Streams, ditches, or other drainage features |
|  | Fences and other barriers |
|  | Paved roads |
|  | Dirt roads |

Scale = 1 : 840
1 inch represents 70 feet



State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD27

**U.S. Department of Energy
Rocky Flats Environmental Technology Site**



**Rocky Mountain
Remediation Services, LLC.**
Geographic Information Systems Group
Rocky Point Environmental Technology Site
P.O. Box 484
Golden, CO 80629-0484

MAP ID: 97-0149

September 11, 1997



Medial Paleoscur

Cambridge

SHADED AREAS FOR
PURCHASING DEPARTMENT USE ONLY

DATE 10/10/97
SUGGESTED SUBCONTRACTORS:
Cabot - Anderson

Telephone No.:

Enter Previous Purchase Order No.:

TO \$500,000	PRINT N
ENTER "NOT TO EXCEED" AMOUNT	
Over \$500,000	PRINT
ENTER "NOT TO EXCEED" AMOUNT	

P.O. CODE	DATE
STATE OF MFG.	F.O.B. POINT

PAYMENT		UNIT PRICE	
		QUANTITY	UNIT

[illegible]

2	certification	
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Desired required	Justification Required	Priority Rating (If DX, DO <input type="checkbox"/> DO <input type="checkbox"/>
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ROOM	NAME	DEPT	BLDG	REQUIRE
Westa 20A			71304	S.M.
286a				DEPT: 0111
				BLDG: B3

Y	VEI OW: CORY	PHONE: 622	GREEN: 622
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PURCHASE REQUISITION (This is not an Order)

THE REQUISITIONER IS RESPONSIBLE TO:

1. Estimate the total cost, as \$ _____, for the items(s) recorded below.
2. Route the requisition to Industrial Hygiene if an item is a hazardous material (Reference H&S Manual 9.07).
Signature: _____
3. If requisition is for a service to be performed on plantsite, coordinate with cognizant Building Manager or Area Safety Engineer as required.
4. Record the Responsibility Code as appropriate.
5. Obtain signatures in accordance with Plant Policy 7-6 and Instructions.

SIGNATURE AUTHORIZES EXPENDITURES TO THE MAXIMUM THRESHOLD UNLESS OTHERWISE INDICATED	TO \$100,000	PRINT NAME
	ENTER "NOT TO EXCEED" AMOUNT	PRINT NAME
	WORK PKG. MGR.	

ISSUED TO:	FOLLOW-UP CODE	VENDOR NO.
	ROUTER CODE	SHIP VIA

RESP CODE					
ROCKY FLATS CODE ID	ITEM NO	SIC CODE	ITEMS/SERVICES DESCRIPTION		

PL	HMC	SAL					
ROCKY FLATS CODE ID			Perform NEPA Review				

PL	HMC	SAL			
					PHSS 112, PHSS 155 and American zone site char

PL	HMC	SAL			
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ROCKY FLATS CODE ID			
PL	HMC	SAL	

Work Scope/Spec. Classified?		"Q" Cleared Workers Req'd?		Delivery Date
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
ORG CODE	ITEMS/ITEMS	COST ELEMENT	COST CENTER	CHARGE NUMBER
				DELIVER TO

NAME: S. J.	GE6000PL				
DEPT: C +					
PHONE: 63					

RF-1570 (Rev. 05/94) Destroy Previous Issues

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	52
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**Kaiser-Hill National Environmental Policy Act (NEPA) Group
ENVIRONMENTAL CHECKLIST
ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE**

1. Project Name:
2. Date Submitted:
3. NEPA Tracking No.:
4. Charge Number:
5. WAD Number:
6. Project Manager (company, bldg., ext.):
7. Kaiser-Hill Manager (bldg., ext.):
8. Preparer (company, bldg., ext.):
9. Project Description (be as detailed and specific as possible, use the checklist as a guide for issues to be addressed in the description of the project, submit to K-H NEPA for review):

Reviewed for Classification/UCNI

By: _____

Date: _____

	<u>YES</u>	<u>NO</u>	<u>NOTES</u>
10. Will the project require a new or modified permit under the:			
A. Clean Air Act? (e.g., APENs, Rad-NESHAP, fugitive dust, etc.)	_____	_____	
B. Clean Water Act? (e.g., discharges, chemicals, etc.)	_____	_____	
11. Resource Conservation and Recovery Act (RCRA):			
A. Will the project generate, treat, store, or dispose of hazardous, radioactive, or mixed waste?	_____	_____	
B. Will the project involve a removal?	_____	_____	
C. Will the project include RCRA closure?	_____	_____	
-partial?	_____	_____	
-full?	_____	_____	
D. Will the project include excavation or capping to meet RCRA requirements?	_____	_____	
E. Will cost and duration stay within \$5 million and 60 months? (Explain in Section 9, Project Description)	_____	_____	
F. Will a RCRA permit or permit modification be required?	_____	_____	
12. Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)			
A. Is the project part of an activity required in the Rocky Flats Cleanup Agreement?	_____	_____	
B. If the answer to A. is YES, is the project described in a document that has been approved by EPA or CDPHE, or will be approved by at least one of those agencies before project work begins?	_____	_____	
C. If the answers to both A. and B. are YES, has that document been reviewed by the K-H NEPA group for inclusion of NEPA values?	_____	_____	
13. Monitoring			
A. Will the project require performance monitoring per RFCA or IA IM/IRA requirements?	_____	_____	
B. If the answer to A is YES, have appropriate steps been taken to implement those requirements through the Integrated Monitoring Plan?	_____	_____	
14. Toxic Substances Control Act			
A. Will the project require an Asbestos Abatement permit?	_____	_____	
B. Will the project generate PCB-containing waste?	_____	_____	
C. Will the project result in any potential PCB-containing material that would be available for commercial resale, reuse, or recycle?	_____	_____	

	<u>YES</u>	<u>NO</u>	NOTES
15. Have all steps been taken to ensure compliance with procedures 1-G98-EPR-END.04, Migratory Bird Evaluation and Protection, and 1-D06-EPR- END.03, Identification and Protection of Threatened, Endangered, and Special-Concern Species?	_____	_____	
16. Will the project be in or near an Individual Hazardous Substance Site (IHSS)? (If YES, discuss in Section 9, Project Description)	_____	_____	
17. Will the project construct or require a new or expanded waste disposal, recovery, storage, or treatment facility?	_____	_____	
18. Is the project part of an agreement between DOE and another federal or state agency? (Specify and explain any schedule urgency and deadlines in Section 9, Project Description.)	_____	_____	
19. Is the project:			
A. A new process, building, etc.?	_____	_____	
B. A modification to an existing process, building, etc.?	_____	_____	
C. An installation of capital equipment?	_____	_____	
20. Will the project be located in or adversely affect:			
A. Wetlands? (i.e., dredge or fill operations)	_____	_____	
B. Designated natural areas?	_____	_____	
C. Prime agricultural land?	_____	_____	
D. Special water sources?	_____	_____	
E. Historical, archaeological, or architectural sites or buildings? (NHPA, HUD)	_____	_____	
F. Impact surface water or groundwater	_____	_____	
21. Will the project result in, or have the potential to result in, long term changes to the environment?	_____	_____	
22. Will the project result in changes or disturbances of the following existing conditions:			
A. Noise levels?	_____	_____	
B. Solid wastes?	_____	_____	
C. Radioactive wastes? (including disturbed or excavated contaminated soil)	_____	_____	
D. Hazardous waste?	_____	_____	
23. Will the project have effects on the environment which are likely to be publicly controversial?	_____	_____	

	<u>YES</u>	<u>NO</u>	NOTES
24. Will the project establish a precedent for future projects that will have significant effects, or represent a "decision in principle" about a future consideration?	_____	_____	
25. Is the project related to other projects or to a larger program?	_____	_____	
25. Have pollution prevention measures been considered? (Discuss in Section 9, Project Description.)	_____	_____	
26. Does/Will the project present a radiation health and safety concern during construction or operation? (Price-Anderson Act)	_____	_____	

NOTES:

SECTION D DETERMINATION
CATEGORICAL EXCLUSION (CX) DETERMINATION RFO/CX025-91

Proposed Action: Field Activities for Geologic and Ecological Characterization Within Floodplains or Wetlands

Location: Rocky Flats Plant, Golden, CO

Proposed by: U.S. Department of Energy, Rocky Flats Office

Description of the Proposed Action:

Rocky Flats Plant proposes to carry out field activities to gather data to characterize the geology and ecology of the plant site within wetlands and floodplains in support of the remediation of RCRA and CERCLA sites. This work may be performed both within and outside the boundaries of operable units 1, 2, 5 and 6. The characterization work would include 1) establishing new surface water and sediment sampling stations and collecting samples, 2) collecting soil and soil gas samples, and 3) drilling new water wells and collecting groundwater samples, and 4) drilling to obtain geologic cores.

To establish new surface water and sediment sampling stations, stakes would be driven into the ground at the edge of a stream or water body. The stakes would be used as reference points so that samples can be taken from the same locations periodically. Water and sediment samples would be taken by driving or walking to the sample site and collecting up to a few pounds of sediment or a few quarts of water.

Soil and soil gas samples may be collected within floodplains from grids 38, 51, 52, 57, 81, 96, 109 and 115 shown on Figure 2 using three different methods. The first soil sampling method uses a Colorado Department of Health sampler to remove two to three tablespoons of soil from the ground surface anywhere within the grid. The second soil sampling method that would be used is backhoe excavation of soil pits nine feet long, five feet wide and four feet deep to gather samples from the soil profile within each grid. The sample pits will be refilled with the excavated earth after sampling. Sampling soil gas (Figures 3 and 8) is to be accomplished by using a hand auger to drill a one inch diameter hole 18 to 24 inches deep. A probe is inserted into the hole to sample any gases that escape from the soil.

Drilling new water wells and core holes would involve driving a truck mounted drilling rig to the locations shown on Figures 1, 3, 6, 7, 8, 9, 10, 11, 13 and 14 to drill holes four to six inches in diameter. Drilling activities that may be within the 100 year floodplain or wetlands are highlighted by heavy arrows on the figures. As a general principle, drilling in wetlands would be avoided because of the added difficulties of setting up a drill rig and drilling in saturated soils, but it may be necessary to locate one or more holes within a wetland. As holes are drilled, drill cuttings would be brought to the surface and shoveled into drums for analysis of contaminants and appropriate disposal. Drilling activity will result in the trampling of vegetation for up to 200 square feet around the drill hole.

These activities would not introduce or cause the inadvertent or uncontrolled movement of hazardous substances or non-native organisms, or adversely affect environmentally sensitive areas listed in the guidelines. Because of the nature of the proposed activities, no adverse impacts are expected to wetlands or floodplains.

Categorical Exclusion to be applied:

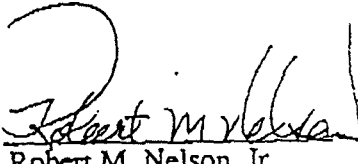
B3.1 Site characterization and environmental monitoring, including siting, construction, operation, and dismantlement or closing (abandonment) of characterization and monitoring devices and siting.

construction, and operation of a small-scale laboratory building or renovation of a room in an existing building for sample analysis. Activities covered include, but are not limited to, site characterization and environmental monitoring under CERCLA and RCRA. Specific activities include, but are not limited to: (a) Geological, geophysical (such as gravity, magnetic, electrical, seismic, and radar), geochemical, and engineering surveys and mapping, including the establishment of survey marks; (b) Installation and operation of field instruments, such as streamgauging stations or flow-measuring devices, telemetry systems, geochemical monitoring tools, and geophysical exploration tools; (c) Drilling of wells for sampling or monitoring of groundwater or the vadose (unsaturated) zone, well logging, and installation of water-level recording devices in wells; (d) Aquifer response testing; (e) Installation and operation of ambient air monitoring equipment; (f) Sampling and characterization of water, soil, rock, or contaminants; (g) Sampling and characterization of water effluents, air emissions, or solid waste streams; (h) Installation and operation of meteorological towers and associated activities, including assessment of potential wind energy resources; (i) Sampling of flora or fauna; and (j) Archeological, historic, and cultural resource identification in compliance with 36 CFR part 800 and 43 CFR part 7. (10 CFR 1021, Appendix B to Subpart D)

DOE NEPA REGULATIONS SECTION D
CATEGORICAL EXCLUSION DETERMINATION - RFO/CX025-91
 Field Activities for Geologic and Ecological Characterization Within Floodplains or Wetlands

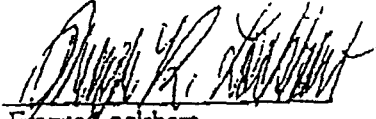
I have determined that the proposed action meets the requirements for a categorical exclusion as defined in the Section D of 10 CFR 1021. Therefore, I approve the categorical exclusion of the proposed action from further NEPA review and documentation.

Date: 10/20/92

Signature: 
 Robert M. Nelson, Jr.
 Title: Manager, Rocky Flats Office

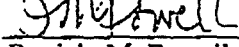
Project Sponsor:

Date: 10/14/92

Signature: 
 Frazer Lockhart
 Title: Director, Environmental Restoration Division

I have reviewed this determination and find that a categorical exclusion is the appropriate level of NEPA documentation.

Date: October 6, 1992

Signature: 
 Patricia M. Powell
 Title: NEPA Compliance Officer

ADS number: 1001, 1002, 1005, 1016 (EM)

**Kaiser-Hill National Environmental Policy Act (NEPA) Group
ENVIRONMENTAL CHECKLIST
ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE**

1. Project Name:
2. Date Submitted:
3. NEPA Tracking No.:
4. Charge Number:
5. WAD Number:
6. Project Manager (company, bldg., ext.):
7. Kaiser-Hill Manager (bldg., ext.):
8. Preparer (company, bldg., ext.):
9. Project Description (be as detailed and specific as possible, use the checklist as a guide for issues to be addressed in the description of the project, submit to K-H NEPA for review):

Reviewed for Classification/UCNI

By: _____

Date: _____

	YES	NO	NOTES
10. Will the project require a new or modified permit under the:			
A. Clean Air Act? (e.g., APENs, Rad-NESHAP, fugitive dust, etc.)	_____	<u>X</u>	
B. Clean Water Act? (e.g., discharges, chemicals, etc.)	_____	<u>X</u>	
11. Resource Conservation and Recovery Act (RCRA):			
A. Will the project generate, treat, store, or dispose of hazardous, radioactive, or mixed waste?	_____	<u>X</u>	
B. Will the project involve a removal?	_____	<u>X</u>	
C. Will the project include RCRA closure?	_____	<u>X</u>	
-partial?	_____	_____	
-full?	_____	_____	
D. Will the project include excavation or capping to meet RCRA requirements?	_____	<u>X</u>	
E. Will cost and duration stay within \$5 million and 60 months? (Explain in Section 9, Project Description)	<u>X</u>	_____	
F. Will a RCRA permit or permit modification be required?	_____	<u>X</u>	
12. Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)			
A. Is the project part of an activity required in the Rocky Flats Cleanup Agreement?	_____	<u>X</u>	
B. If the answer to A. is YES, is the project described in a document that has been approved by EPA or CDPHE, or will be approved by at least one of those agencies before project work begins?	_____	_____	
C. If the answers to both A. and B. are YES, has that document been reviewed by the K-H NEPA group for inclusion of NEPA values?	_____	_____	
13. Monitoring:			
A. Will the project require performance monitoring per RFCA or IA IM/RA requirements?	_____	<u>X</u>	
B. If the answer to A is YES, have appropriate steps been taken to implement those requirements through the Integrated Monitoring Plan?	_____	_____	
14. Toxic Substances Control Act			
A. Will the project require an Asbestos Abatement permit?	_____	<u>X</u>	
B. Will the project generate PCB-containing waste?	_____	<u>X</u>	
C. Will the project result in any potential PCB-containing material that would be available for commercial resale, reuse, or recycle?	_____	<u>X</u>	

	YES	NO	NOTES
15. Have all steps been taken to ensure compliance with procedures 1-G98-EPR-END.04, Migratory Bird Evaluation and Protection, and 1-D06-EPR- END.03, Identification and Protection of Threatened, Endangered, and Special-Concern Species?	<u>X</u>	<u> </u>	
16. Will the project be in or near an Individual Hazardous Substance Site (IHSS)? (If YES, discuss in Section 9, Project Description)	<u>X</u>	<u> </u>	
17. Will the project construct or require a new or expanded waste disposal, recovery, storage, or treatment facility?	<u> </u>	<u>X</u>	
18. Is the project part of an agreement between DOE and another federal or state agency? (Specify and explain any schedule urgency and deadlines in Section 9, Project Description.)	<u> </u>	<u>X</u>	
19. Is the project:			
A. A new process, building, etc.?	<u> </u>	<u>X</u>	
B. A modification to an existing process, building, etc.?	<u> </u>	<u>X</u>	
C. An installation of capital equipment?	<u> </u>	<u>X</u>	
20. Will the project be located in or adversely affect:			
A. Wetlands? (i.e., dredge or fill operations)	<u> </u>	<u>X</u>	
B. Designated natural areas?	<u> </u>	<u>X</u>	
C. Prime agricultural land?	<u> </u>	<u>X</u>	
D. Special water sources?	<u> </u>	<u>X</u>	
E. Historical, archaeological, or architectural sites or buildings? (NEPA, HUD)	<u> </u>	<u>X</u>	
F. Impact surface water or groundwater	<u> </u>	<u>X</u>	
21. Will the project result in, or have the potential to result in, long term changes to the environment?	<u> </u>	<u>X</u>	
22. Will the project result in changes or disturbances of the following existing conditions:			
A. Noise levels?	<u> </u>	<u>X</u>	
B. Solid wastes?	<u> </u>	<u>X</u>	
C. Radioactive wastes? (including disturbed or excavated contaminated soil)	<u> </u>	<u>X</u>	
D. Hazardous waste?	<u> </u>	<u>X</u>	
23. Will the project have effects on the environment which are likely to be publicly controversial?	<u> </u>	<u>X</u>	

	<u>YES</u>	<u>NO</u>	NOTES
24. Will the project establish a precedent for future projects that will have significant effects, or represent a "decision in principle" about a future consideration?	_____	_____X	
25. Is the project related to other projects or to a larger program?	_____X	_____	
25. Have pollution prevention measures been considered? (Discuss in Section 9, Project Description.)	_____X	_____	
26. Does/Will the project present a radiation health and safety concern during construction or operation? (Price-Anderson Act)	_____X	_____	

NOTES: